

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.

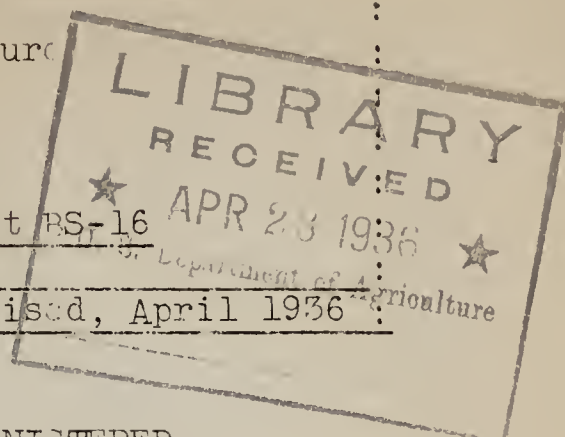


1.9  
524W  
United States Department of Agriculture  
Bureau of Biological Survey

Wildlife Research and Management Leaflet BS-16

Washington, D.C.

Revised, April 1936



BIRD REFUGES AND BIG GAME PRESERVES ADMINISTERED  
BY THE BUREAU OF BIOLOGICAL SURVEY

Compiled in the Divisions of Game Management and Migratory Waterfowl

Wildlife refuges maintained by the Bureau of Biological Survey now number 107. All species of wild animals and birds are protected on these areas, although 7 are maintained primarily for big game. Included among the bird refuges are those for migratory birds established under the Migratory Bird Conservation Act of February 18, 1929 (U. S. Code, title 16, sec. 715), which provides for the acquisition of lands suitable as feeding, resting, and breeding grounds for the various species.

There are also represented the beginnings of the refuges being established with emergency funds under the migratory-waterfowl restoration program inaugurated in 1934, namely the Blitzen Valley addition to the Lake Malheur Refuge, Oreg.; the Lake Mattamuskeet Refuge, N. C.; and the Bull Island addition to the Cape Romain Refuge, S. C.

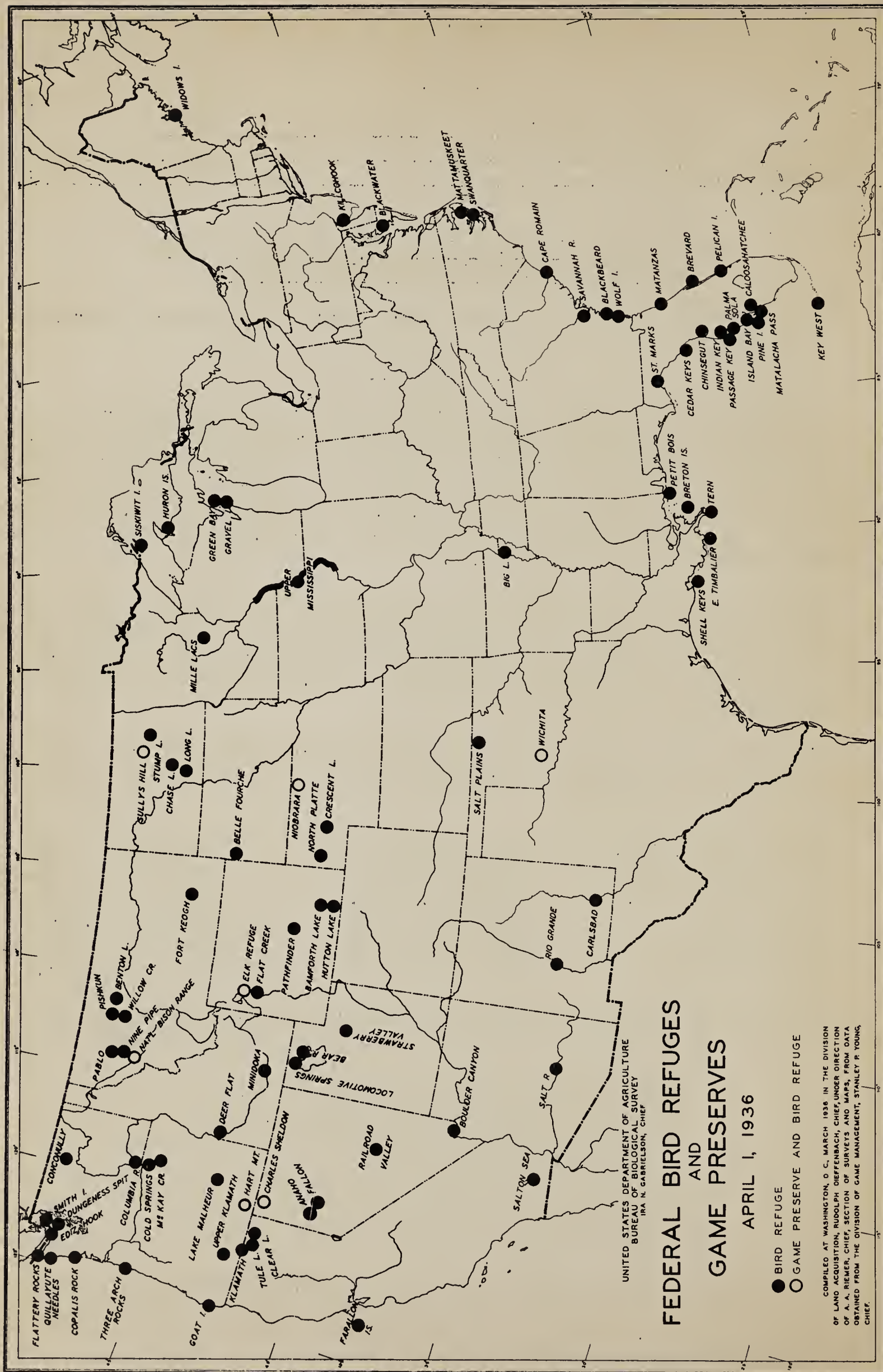
Among the outstanding projected migratory-waterfowl refuges, some of which already are functioning as restored nesting and feeding areas but not included in this list, are:

White River, Ark.	Lake Powdoin, Mont.	Lostwood, N. Dak.
Sacramento, Calif.	Medicine Lake, Mont.	Lower Souris, N. Dak.
Chautauque, Ill.	Red Rock, Mont.	Upper Souris, N. Dak.
Delta, La.	Valentine, Nebr.	Lacreek, S. Dak.
Seney, Mich.	Arrowwood, N. Dak.	Sand Lake, S. Dak.
Squaw Creek, Mo.	Des Moines, N. Dak.	Waubay, S. Dak.

The big game ranges and preserves, maintained principally for the perpetuation of buffalo, elk, deer, mountain sheep, and antelope, are as follows:

Charles Sheldon Antelope Refuge, Nev.  
Elk Refuge (winter feeding ground), Wyo.  
Hart Mountain Game Range, Oreg.  
National Bison Range, Mont.  
Niobrara Game Preserve, Nebr.  
Sullys Hill Game Preserve, N. Dak.  
Wichita Mountains Wildlife Refuge, Okla.

Wildlife and Federal property on these refuges and preserves are protected by Federal laws and regulations thereunder, and are administered by the Biological Survey. Copies can be had from the Bureau at Washington, D.C., or from the local representative in charge.



COMPILED AT WASHINGTON, D. C., MARCH 1936 IN THE DIVISION OF LAND ACQUISITION, RUDOLPH DIEFFENBACH, CHIEF, UNDER DIRECTION OF A. A. RIEMER, CHIEF, SECTION OF SURVEYS AND MAPS, FROM DATA OBTAINED FROM THE DIVISION OF GAME MANAGEMENT, STANLEY P. YOUNG, CHIEF.



State and designation	Year estab- lished	Acres	Chief species protected
ALABAMA:			
Petit Bois Island Bird Refuge	1903	956	Laughing gulls, least terns, black skimmers, Louisiana herons, brown pelicans.
ALASKA:			
Alaska Railway Muskrat and Beaver Refuge	1927	4,160	Muskrats, beavers.
Aleutian Islands Bird Refuge	1913	- - -	Puffins, auklets, murres, gulls, ducks, geese, ptarmigan, sea otters, red and blue foxes; on Unimak Island caribou, big-brown bears.
Bering Sea (St. Matthew and Hall Islands) Bird Refuge	1909	- - -	Puffins, auklets, kittiwakes, glaucous gulls, sandpipers, snow buntings.
Bogoslof Bird Refuge.....	1909	- - -	Puffins, auklets, murres, gulls, sea lions.
Chamisso Island Bird Ref- uge	1912	- - -	Horned puffins, Palla's murres, Pacific kittiwakes, glaucous gulls.
Curry Bird, Game and Fish Refuge	1927	8,960	Grouse, ptarmigan, black bears, foxes, lynx, minks, ermines, fishes.
Forrester Island Bird Ref- uge	1912	- - -	Puffins, auklets, guillemots, murres, gulls, petrels, cormorants.
Hazy Islands Bird Refuge	1912	- - -	Puffins, auklets, guillemots, murres, gulls, cormorants.
Nunivak Island Wildlife Refuge	1929	1,111,000	Waterfowl, ptarmigan, reindeer, caribou, foxes, minks.
St. Lazaria Bird Refuge...	1909	- - -	Puffins, auklets, guillemots, murres, gulls, petrels, cormorants.
Semidi Islands Bird Ref- uge	1932	8,920	Puffins, auklets, petrels.
Tuxedni Bird Refuge.....	1909	- - -	Pacific kittiwakes, glaucous gulls, eider ducks.
ARIZONA:			
Boulder Canyon Wildlife Refuge (See also Nevada)	1933	312,687	Waterfowl; mammals
Salt River Bird Refuge <sup>1</sup> ...	1909	21,120	Cormorants, white pelicans, ducks, geese.
ARKANSAS:			
Big Lake Bird Refuge.....	1915	8,937	Ducks, shorebirds.
CALIFORNIA:			
Clear Lake Bird Refuge <sup>1</sup> ...	1911	33,840	Gulls, cormorants, white peli- cans, geese, herons, ducks.
Farallon Bird Refuge.....	1908	91	Puffins, auklets, guillemots, murres, gulls, cormorants.

<sup>1</sup> On reclamation project.

State and designation	Year estab- lished:	Acres	Chief species protected
CALIFORNIA (Cont'd.)			
Klamath Lake Bird Refuge <sup>1</sup> (See also Oregon)	1921	- - -	Gulls, ducks, geese, coots, shorebirds.
Salton Sea Migratory Bird Refuge <sup>1</sup>	1930	45,560	Pelicans, ducks, geese, coots, shorebirds.
Tule Lake Bird Refuge <sup>1</sup> .....	1928	9,363	Ducks, geese, shorebirds.
DELAWARE:			
Killcohook Migratory Bird Refuge (See also New Jersey)	1934	536	Ducks, geese; muskrats
FLORIDA:			
Brevard Bird Refuge.....	1925	12	Brown pelicans.
Caloosahatchee Bird Refuge	1920	40	Heron.
Cedar Keys Bird Refuge.....	1929	236	Cormorants, pelicans, herons.
Chinsegut Hill Migratory Bird Refuge	1932	2,073	Ducks, geese, shorebirds, up- land game birds.
Indian Key Bird Refuge.....	1906	90	Brown pelicans, white ibises, egrets, Louisiana and little blue herons.
Island Bay Bird Refuge.....	1908	3,321	Brown pelicans, herons.
Key West Bird Refuge.....	1908	2,030	Cormorants, brown pelicans, man-o'-war birds, white ibises, herons.
Matanzas Bird Refuge.....	1927	267	Black skimmers, clapper rails.
Metlacha Pass Bird Refuge	1908	10	Cormorants, brown pelicans, herons.
Palma Sola Bird Refuge.....	1908	1	Heron.
Passage Key Bird Refuge.....	1905	36	Laughing gulls, terns, skimmers, cormorants, herons, sandpipers.
Pelican Island Bird Refuge	1903	15	Brown pelicans.
Pine Island Bird Refuge.....	1903	31	Brown pelicans, herons.
St. Marks Migratory Bird Refuge	1931	36,862	Gulls, ducks, geese, rails, sand- pipers and other shorebirds; upland game birds; deer and fur animals.
GEORGIA:			
Blackbeard Island Wildlife	1926	4,659	Heron, ducks, clapper rails, quail, chachalacas, white- tailed deer, raccoons, opossums
Savannah River Migratory Bird Refuge (See also South Carolina)	1927	424	Ducks, herons, rails, coots, shorebirds.
Wolf Island Bird Refuge.....	1930	538	Waterfowl, shorebirds.
HAWAII:			
Hawaiian Islands Bird Ref- uge	1909	- - -	Terns, albatrosses, petrels, shearwaters, boobies, man- o'-war birds, Laysan teal, rails, and finches.
Johnston Island Bird Refuge	1926	- - -	Sooty and noddy terns, wedge- tailed shearwaters, petrels, boobies, man-o'-war birds.



State and designation	Year estab- lished	Acres	Chief species protected
IDAHO:			
Deer Flat Bird Refuge <sup>1</sup> .....	1909	12,300	Ducks, geese, pheasants.
Minidoka Bird Refuge <sup>1</sup> .....	1909	13,240	Grebes, Forster's terns, cormor- ants, white pelicans, ducks, coots, herons, sage grouse, avocots.
ILLINOIS:			
Upper Mississippi River Wildlife and Fish Refuge: (See also Iowa, Minne- sota, and Wisconsin)	1925	19,759	Ducks, geese; shorebirds; upland game birds; muskrats, minks, beavers, foxes, raccoons; fishes, mollusks.
IOWA:			
Upper Mississippi River Wildlife and Fish Refuge: (See also Illinois, Minnesota, and Wisconsin)	1925	30,616	Ducks, geese; shorebirds; upland game birds; muskrats, minks, beavers, foxes, raccoons; fishes, mollusks.
LOUISIANA:			
Breton Island Bird Refuge	1904	955	Laughing gulls, royal and Cabot's terns, skimmers, herons, wil- lets.
East Timbalier Bird Refuge	1907	337	Gulls, royal terns, skimmers, brown pelicans, herons, clapper rails.
Shell Keys Bird Refuge.....	1907	77	Royal terns, brown pelicans.
Tern Islands Bird Refuge..	1904	1,000	Laughing gulls, royal, Cabot's and Forster's terns, brown pelicans.
MAINE:			
Widows Island Migratory Bird Refuge	1933	12	Ducks, geese.
MARYLAND:			
Blackwater Migratory Bird Refuge	1932	8,241	Ducks, sandpipers and other shore- birds; muskrats, raccoons.
MICHIGAN:			
Huron Islands Bird Refuge	1905	83	Herring gulls, ducks.
Siskiwit Islands Bird Ref- uge	1905	9	Herring gulls, ducks.
MINNESOTA:			
Mille Lacs Bird Refuge.....	1915	1	Gulls, ducks, geese.
Upper Mississippi River Wildlife and Fish Refuge: (See also Iowa, Illinois, and Wisconsin)	1925	24,071	Ducks, geese; shorebirds; upland game birds; muskrats, minks, beavers, foxes, raccoons; fishes, mollusks.
MONTANA:			
Benton Lake Migratory Bird Refuge	1929	12,235	Ducks, geese, shorebirds.
Fort Keogh Wildlife Refuge	1929	56,954	Grebes, black terns, ducks, geese, coots, bitterns, phalaropes, avocots, sandpipers, yellowlegs, plover, sharp tailed grouse, pheasants.

State and designation	Year estab- lished:	Acres	Chief species protected
MONTANA (Cont'd.)			
National Bison Range.....	1909	18,521	Ducks, grouse, pheasants; buffalo, deer, mountain sheep, elk; beavers.
Nine Pipe Bird Refuge <sup>2</sup> .....	1921	2,022	Ducks, geese, coots.
Pablo Bird Refuge <sup>2</sup> .....	1921	2,540	Ducks, geese, coots.
Pishkun Bird Refuge <sup>1</sup> .....	1912	3,155	Gulls, ducks, geese, swans.
Willow Creek Bird Refuge <sup>1</sup>	1909	3,199	Ducks, geese.
NEBRASKA:			
Crescent Lake Migratory Bird Refuge	1931	40,782	Terns, ducks, geese, coots, cur- lews, other shorebirds; muskra
Niobrara Game Preserve.....	1912	20,005	Prairie chickens, sharp-tailed grouse; quail, buffalo, elk, deer, antelope, beavers.
North Platte Bird Refuge <sup>1</sup>	1916	5,107	Ducks, geese, swans, shorebirds.
NEVADA:			
Anaho Island Bird Refuge	1913	248	Gulls, cormorants, white pelican
Boulder Canyon Wildlife Refuge <sup>1</sup> (See Arizona)	1933	346,433	Waterfowl, mammals.
Charles Sheldon Antelope Refuge	1931	559,321	Sage grouse; antelope, mule deer
Fallon Wildlife Refuge <sup>1</sup> .....	1931	17,902	Gulls, terns, ducks, pelicans, cormorants.
Railroad Valley Migratory Bird Refuge	1934	135,184	Ducks, geese, ibises, avocets.
NEW JERSEY:			
Killecohook Migratory Bird Refuge (See also Dela.)	1934	856	Ducks, geese; muskrats.
NEW MEXICO:			
Carlsbad Bird Refuge <sup>1</sup> .....	1909	18,680	Ducks, shorebirds, cormorants.
Rio Grande Bird Refuge <sup>1</sup> .....	1909	73,228	Grebes, cormorants, ducks, geese shorebirds.
NORTH CAROLINA:			
Lake Mattamuskeet Migrato- ry Waterfowl Refuge	1934	49,925	Ducks, geese, swans, shorebirds; muskrats.
Swanquarter Migratory Bird Refuge	1932	15,493	Ducks, geese, brant, swans, sand- pipers and other shorebirds.
NORTH DAKOTA:			
Chase Lake Bird Refuge.....	1908	2,960	Gulls, white pelicans, ducks, shorebirds, grouse.
Long Lake Migratory Bird Refuge	1931	8,795	Gulls, terns, ducks, coots, wil- lets, sandpipers and other shorebirds.
Stump Lake Bird Refuge.....	1905	27	Grebes, gulls, terns, ducks; Wilson's phalaropes.
Sullys Hill Game Preserve	1914	994	Golden-eye and wood ducks, geese, pheasants, buffalo, elk, white- tailed deer.

<sup>1</sup> On reclamation project.

<sup>2</sup> On Flathead Irrigation Project. - 6 -



State and designation	Year estab- lished:	Acres	Chief species protected
OKLAHOMA:			
Salt Plains Migratory Bird Refuge	1930	19,453	Franklin Gulls, black terns, waterfowl, bitterns, rails, shorebirds.
Wichita Mountains Wildlife Refuge	1935	61,480	Ducks, geese, turkeys, quail; buffalo, elk, Virginia deer, antelope, Texas longhorns.
OREGON:			
Cold Springs Bird Refuge <sup>1</sup>	1909	2,677	Ducks, geese, swans, herons; sharp-tailed grouse.
Goat Island Bird Refuge...	1935	21	California murres, gulls, cor- morants, puffins, geese.
Hart Mountain Game Range	1935	345,000	Sage grouse, antelope, mule deer.
Klamath Lake Bird Refuge <sup>1</sup> (See also California)	1908	81,619	Gulls, ducks, geese, coots, shorebirds.
Lake Malheur Bird Refuge...	1908	95,155	Grebes, gulls, terns, cormor- ants, pelicans, ducks, geese, swans, herons, ibises.
Malheur Migratory Bird Refuge (Blitzen Valley)	1935	64,717	Grebes, gulls, terns, cormor- ants, pelicans, ducks, geese, swans, ibises, herons, sand- hill cranes, sage grouse; deer, antelope, beavers.
McKay Creek Bird Refuge <sup>1</sup>	1927	1,813	Ducks, geese.
Three Arch Rocks Bird Ref- uge	1907	17	Puffins, guillemots, murres, gulls, fork-tailed petrels, cormorants.
Upper Klamath Bird Refuge <sup>1</sup>	1928	8,140	Ducks, geese.
PUERTO RICO:			
Culebra Bird Refuge	1909	- - -	Gulls, royal terns, Bahama ducks, herons, coots, ground doves.
Desecheo Island Bird Ref- uge	1912	- - -	Terns, boobies, man-o'-war birds oyster catchers.
SOUTH CAROLINA:			
Cape Romain Migratory Bird Refuge	1931	59,252	Ducks, curlews, egrets, herons, pelicans, ibises, sanderling, dowitchers, oyster catchers, sandpipers and other shore- birds; sea turtles, diamond back terrapins.
Savannah River Migratory Bird Refuge (See also Georgia).	1927	2,589	Ducks, herons, rails, coots, shorebirds.
SOUTH DAKOTA:			
Belle Fourche Bird Refuge	1909	13,680	Ducks, geese, curlews, prairie chickens, pheasants.
UTAH:			
Bear River Migratory Bird Refuge	1928	64,216	Ducks, geese, coots, shorebirds, pelicans, ibises, pheasants; beavers, muskrats.

<sup>1</sup> On reclamation project.

State and designation	Year established	Acres	Chief species protected
UTAH (Cont'd.)			
Locomotive Springs Migra- tory Bird Refuge	1931	1,031	Ducks, coots, curlews, avocots, sandpipers and other shorebirds.
Strawberry Valley Bird Refuge <sup>1</sup>	1909	14,080	Ducks, sage grouse.
WASHINGTON:			
Columbia River Bird Refuge	1926	8	Gulls, ducks, geese, blue herons,
Conconully Bird Refuge <sup>1</sup> ....	1909	1,120	Gulls, ducks, herons, sooty and sharp-tailed grouse, Hungarian partridges.
Copalis Rock Bird Refuge...	1907	5	Puffins, murres, glaucous and western gulls, petrels, cor- morants.
Dungeness Spit Bird Refuge	1915	227	Grebes, loons, gulls, ducks.
Ediz Hook Bird Refuge.....	1915	83	Pigeon guillemots, California murres, cormorants.
Flattery Rocks Bird Refuge	1907	125	Tufted puffins, pigeon guille- mots, California murres.
Smith Island Bird Refuge...	1914	65	Western grebes, pigeon guille- mots, California murres, cor- morants, ducks.
Quillayute Needles Bird Refuge	1907	117	Grebes, auklets, gulls, cormor- ants, ducks.
WISCONSIN:			
Gravel Island Bird Refuge	1913	27	Herring gulls.
Green Bay Bird Refuge.....	1912	2	Herring gulls.
Upper Mississippi River Wildlife and Fish Refuge:	1925	69,581	Ducks, geese; shorebirds; upland game birds; muskrats, minks, (See also Iowa, Illinois: and Minnesota.)
WYOMING:			
Bamforth Lake Migratory Bird Refuge	1932	2,163	Ducks, geese, sandpipers and other shorebirds.
Elk Refuge.....	1912	4,558	Ducks, geese, sage grouse, elk (in winter); deer.
Flat Creek Bird Refuge.....	1922	40	Ducks, geese.
Hutton Lake Migratory Bird Refuge	1932	1,708	Ducks, geese, sandpipers and other shorebirds.
Pathfinder Bird Refuge <sup>1</sup> ....	1928	34,949	Ducks, geese.

<sup>1</sup> On reclamation project.